

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 340058.534	APPLICATION NO. 09/940,689
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Michael Knaupp et al.	
		FILING DATE August 27, 2001	GROUP ART UNIT 3724

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JP	AA	5,851,139	12/22/98	Xu	451	102	
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	AI						
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FOREIGN PATENT DOCUMENTS

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DATE CONSIDERED

12-4-03

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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PATENT AND TRADEMARK OFFICE

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APPLICANTS

Michael Knaupp et al.

FILING DATE

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,077,152	06/20/00	Warehime	451	75	
	AB						
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FOREIGN PATENT DOCUMENTS

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	AK	WO 01/14101 A2	03/01/01	WIPO		
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

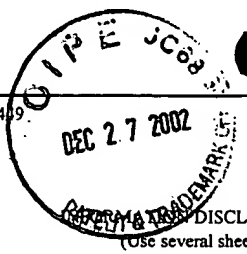
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FORM PTO-1489 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 340058.534	APPLICATION NO. 09/940,689
		APPLICANTS Michael Knaupp et al.	
		FILING DATE August 27, 2001	GROUP ART UNIT 3724



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,155,245	12/05/00	Zanzuri	125	12	
	AB	5,372,540	12/13/94	Burch et al.	452	156	
	AC						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AK	EP 0 307 174 A1	03/15/89	EPO		
	AL	FR 2 699 852	07/01/94	France (+ English Abstract)		X
	AM	WO 95/21044	08/10/95	WIPO		
	AN					
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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	DATE CONSIDERED	12-4-05

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,283,832 B1	09/04/01	Shepherd	451	40	
	AB	6,237,904 B1	05/29/01	Shepherd	267	150	
	AC	6,126,524	10/03/00	Shepherd	451	75	
	AD	6,126,154	10/03/00	Shepherd	267	150	
	AE	5,643,058	07/01/97	Erichsen et al.	451	99	
	AF	5,508,596	04/16/96	Olsen	318	567	
	AG	5,320,289	06/14/94	Hashish et al.	239	434	
	AH	5,144,766	09/08/92	Hashish et al.	51	439	
	AI	5,092,085	03/03/92	Hashish et al.	51	439	
	AJ	5,018,670	05/28/91	Chalmers	239	433	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AK	G 94 02 938.5	05/26/94	Germany		X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AL	Arola and Ramulu, "Abrasive Waterjet Machining of Titanium Alloy," in <i>Proceedings of the 8th American Water Jet Conference</i> , WaterJet Technology Association, Houston, TX, August 26-29, 1995, pp. 389-408.
	AM	Arola and Ramulu, "Mechanisms of Material Removal in Abrasive Waterjet Machining of Common Aerospace Materials," in <i>Proceedings of the 7th American Water Jet Conference</i> , WaterJet Technology Association, Seattle, WA, August 28-31, 1993, pp. 43-64.
	AN	Hamatani and Ramulu, "Machinability of High Temperature Composites by Abrasive Waterjet," in <i>Proceedings of The Winter Annual Meeting of The American Society of Mechanical Engineers</i> , The American Society of Mechanical Engineers, Chicago, IL, November 27-December 2, 1988, pp. 49-62.
	AO	Hashish, "Applications of Precision AWJ Machining," in <i>Proceedings of the 6th American Water Jet Conference</i> , WaterJet Technology Association, Houston, TX, August 24-27, 1991.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	4,951,429	08/28/90	Hashish et al.	51	439	
	BB	4,650,164	03/17/87	Shepherd	256	68	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
	BC				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	BD	✓	Hashish and du Plessis, "Prediction Equations Relating High Velocity Jet Cutting Performance to Stand Off Distance and Multipasses," in <i>Proceedings of the Winter Annual Meeting of The American Society of Mechanical Engineers</i> , The American Society of Mechanical Engineers, San Francisco, CA, December 10-15, 1978.
	BE	✓	Hashish, "Controlled-Depth Milling Techniques Using Abrasive-Waterjets," in <i>Proceedings of the 12th International Conference on Jet Cutting Technology</i> , BHR Group Limited, Rouen, France, October 25-27, 1994, pp. 449-461.
	BF	✓	Hashish, "Deep Hole Drilling in Metals Using Abrasive-Waterjets," in <i>Proceedings of the 13th International Conference on Jetting Technology</i> , BHR Group Limited, Sardinia, Italy, October 29-31, 1996, pp. 691-707.
	BG	✓	Hashish, "Status and Potential of Waterjet Machining of Composites," in <i>Proceedings of the 10th American Waterjet Conference</i> , WaterJet Technology Association, Houston, TX, August 14-17, 1999, pp. 811-827.
	BH	✓	Hashish, "Turning, Milling, and Drilling With Abrasive-Waterjets," in <i>Proceedings of the 9th International Symposium on Jet Cutting Technology</i> , BHRA, Sendai, Japan, October 4-6, 1988, pp. 113-131.
	BI	✓	Henning and Anders, "Cutting-edge quality improvements through geometrical modelling," in <i>Proceedings of the 14th International Conference on Jetting Technology</i> , BHR Group Limited, Brugge, Belgium, September 21-23, 1998.
	BJ	✓	Henning, "Computer Aided Manufacturing for Three-Dimensional Abrasive Water Jet Machining," in <i>Proceedings of the 9th American Waterjet Conference</i> , WaterJet Technology Association, Dearborn, MI, August 23-26, 1997.
	BK	✓	Holmqvist and Öjmertz, "Influence of Abrasive Waterjet Cutting on the Fatigue Properties of Extra High-Strength Steel," in <i>Proceedings of the 10th American Waterjet Conference</i> , WaterJet Technology Association, Houston, TX, August 14-17, 1999, pp. 1-13.

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INFORMATION DISCLOSURE STATEMENT

(Use 1 sheet or more sheets if necessary)

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	TECHNICAL CLASS SUBCLASS	FILED IF APPROPRIATE
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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
CB			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CC	Jenkins et al., "Abrasive Waterjet Machining Effects on the High Temperature Degradation and Mechanical Properties of a Ceramic Matrix Composite," in <i>Proceedings of the 9th American Waterjet Conference</i> , WaterJet Technology Association, Dearborn, MI, August 23-26, 1997, pp. 157-171.
CD	Ramulu and Arola, "Abrasive Waterjet Process Dependent Performance of Polymer Composites Under Static and Dynamic Loading," in <i>Proceedings of the 9th American Waterjet Conference</i> , WaterJet Technology Association, Dearborn, MI, August 23-26, 1997, pp. 29-46.
CE	Ramulu et al., "Abrasive Waterjet Drilling and Cutting Mechanisms in Continuous-Fiber Ceramic Composites," in <i>Proceedings of the 9th American Waterjet Conference</i> , WaterJet Technology Association, Dearborn, MI, August 23-26, 1997, pp. 109-132.
CF	Reichman and Cheung, "Waterjet Cutting of Deep-Kerfs," in <i>Proceedings of the Fourth International Symposium on Jet Cutting Technology</i> , BHRA Fluid Engineering, Canterbury, England, April 12-14, 1978, pp. E2-11 and E2-21.
CG	Sheridan et al., "Microstructural and Mechanical Characterization of Threaded Composite Tubes Machined Using AWJ Cutting," in <i>Proceedings of the 8th American Water Jet Conference</i> , WaterJet Technology Association, Houston, TX, August 26-29, 1995, pp. 245-258.
CH	Singh et al., "Comprehensive Evaluation of Abrasive Waterjet Cut Surface Quality," in <i>Proceedings of the 6th American Water Jet Conference</i> , WaterJet Technology Association, Houston, TX, August 24-27, 1991, pp. 139-161.
CI	Specifications for HD Systems, FHA Series of Hollow Shaft Servo Systems, 1999.
CJ	Whalen, "Application of Advanced Abrasive Waterjet Machining at GE Aircraft Engines," in <i>Proceedings of the 7th American Water Jet Conference</i> , WaterJet Technology Association, Seattle, WA, August 28-31, 1993, pp. 883-897.

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INFORMATION DISCLOSURE STATEMENT

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DC	Zeng et al., "Characterization of Energy Dissipation Phenomenon in Abrasive Waterjet Cutting," in <i>Proceedings of the 6th American Water Jet Conference</i> , WaterJet Technology Association, Houston, TX, August 24-27, 1991, pp. 163-177.
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SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT

(Draw several sheets if necessary)

APPLICANTS
Michael Knaupp et al.FILING DATE
August 27, 2001GROUP ART UNIT
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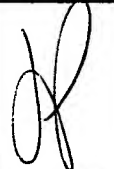



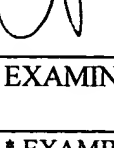
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	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
AH					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AI	Ansari et al., "Effect of Waterjet Pressure on Thermal Energy Distribution in the Workpiece During Cutting With an Abrasive Waterjet," in <i>Proceedings of The Winter Annual Meeting of The American Society of Mechanical Engineers</i> , The American Society of Mechanical Engineers, Chicago, IL, November 27-December 2, 1988, pp. 141-148.
	AJ	Hashish, "Characteristics of Surfaces Machined With Abrasive-Waterjets," in <i>Proceedings of The Winter Annual Meeting of The American Society of Mechanical Engineers</i> , The American Society of Mechanical Engineers, San Francisco, CA, December 10-15, 1989, pp. 23-32.
	AK	Hashish, "Machining of Advanced Composites With Abrasive-Waterjets," in <i>Proceedings of The Winter Annual Meeting of The American Society of Mechanical Engineers</i> , The American Society of Mechanical Engineers, Chicago, IL, November 27-December 2, 1988, pp. 1-18.
	AL	Hashish, "The Effect of Beam Angle in Abrasive-Waterjet Machining," <i>J. of Engineering for Industry</i> 115:51-56, February 1993.
	AM	Matsui et al., "High Precision Cutting Method For Metallic Materials By Abrasive Waterjet," in <i>Proceedings of the 6th American Water Jet Conference</i> , WaterJet Technology Association, Houston, TX, August 24-27, 1991, pp. 127-137.

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